

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2003CH006	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IB2004/003968	International filing date (day/month/year) 02/12/2004	(Earliest) Priority Date (day/month/year) 04/12/2003
Applicant CLARIANT INTERNATIONAL LTD		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/003968

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C09B67/26 C09B67/54 C09B67/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C09B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/32786 A (KAESER ADOLF ;CIBA SC HOLDING AG (CH); LAUTENBACH HOLGER (DE); KAU) 10 May 2001 (2001-05-10) page 1, paragraph 4 claim 24; examples	1-15
A	US 4 955 987 A (LACROIX ROGER ET AL) 11 September 1990 (1990-09-11) column 1, line 53 - line 55 column 2, line 3 - line 13 examples claim 1	1,7-9,13
A	EP 0 288 434 A (CIBA GEIGY AG) 26 October 1988 (1988-10-26) examples	1,9,13
	----- -/-- -----	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

04/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ketterer, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/003968

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 210 378 A (BAYER AG) 4 February 1987 (1987-02-04) examples column 8, line 34 - line 49 -----	1,9,13
A	EP 0 114 031 A (CIBA GEIGY AG) 25 July 1984 (1984-07-25) examples page 5, paragraph 5 -----	1,9
A	EP 0 029 960 A (BAYER AG) 10 June 1981 (1981-06-10) claim 4; examples -----	1,9,13
A	DE 31 48 878 A (HOECHST AG) 23 June 1983 (1983-06-23) page 4, line 3 - line 13; examples -----	1,9,13
A	CH 648 584 A (CIBA GEIGY AG) 29 March 1985 (1985-03-29) page 4, column 1, line 16 - line 18 claim 5; example 19 -----	1,9,13
A	WO 00/44569 A (KIMBERLY CLARK CO) 3 August 2000 (2000-08-03) page 5, line 12 - line 14 page 12, line 5 page 13, line 1 - line 9 page 13, line 19 - line 22 -----	1-4,9, 13,14
A	GB 2 015 018 A (BAYER AG) 5 September 1979 (1979-09-05) example 4 -----	1,9,13
A	EP 1 306 411 A (ORIENT CHEMICAL IND) 2 May 2003 (2003-05-02) examples 1,8 -----	1,9,13, 14
A	WO 02/094943 A (CLARIANT GMBH; WUZZIK, ANDREAS; GEISENBERGER, JOSEF; MENZEL, HEIDEMARIE) 28 November 2002 (2002-11-28) claims -----	10-14
A	EP 0 201 458 A (CIBA-GEIGY AG) 12 November 1986 (1986-11-12) claim 20 -----	10-13
A	US 4 668 238 A (WICKI ET AL) 26 May 1987 (1987-05-26) the whole document -----	10-13
A	US 4 426 226 A (OHTA ET AL) 17 January 1984 (1984-01-17) the whole document -----	10-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/003968

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0132786	A	10-05-2001	AU 1143401 A CN 1387554 T WO 0132786 A1 EP 1224241 A1 MX PA02004064 A US 6719906 B1	14-05-2001 25-12-2002 10-05-2001 24-07-2002 11-10-2002 13-04-2004
US 4955987	A	11-09-1990	CH 660493 A5 BR 8506134 A DE 3583219 D1 EP 0184556 A2 JP 1920576 C JP 6049839 B JP 61138668 A KR 9300308 B1 MX 163457 B	30-04-1987 26-08-1986 18-07-1991 11-06-1986 07-04-1995 29-06-1994 26-06-1986 15-01-1993 18-05-1992
EP 0288434	A	26-10-1988	DE 3861738 D1 EP 0288434 A1 JP 63275670 A US 4838895 A	14-03-1991 26-10-1988 14-11-1988 13-06-1989
EP 0210378	A	04-02-1987	DE 3521129 A1 DE 3685161 D1 EP 0210378 A2 JP 61285264 A US 4702744 A	18-12-1986 11-06-1992 04-02-1987 16-12-1986 27-10-1987
EP 0114031	A	25-07-1984	CH 655124 A5 CA 1212503 A1 DE 3366702 D1 EP 0114031 A2 JP 5057307 B US 4523924 A JP 1846172 C JP 59133263 A	27-03-1986 14-10-1986 13-11-1986 25-07-1984 23-08-1993 18-06-1985 25-05-1994 31-07-1984
EP 0029960	A	10-06-1981	DE 2948292 A1 BR 8007805 A EP 0029960 A1 JP 56086959 A	04-06-1981 16-06-1981 10-06-1981 15-07-1981
DE 3148878	A	23-06-1983	DE 3148878 A1	23-06-1983
CH 648584	A	29-03-1985	CH 648584 A5 MX 154379 A	29-03-1985 04-08-1987
WO 0044569	A	03-08-2000	AU 2636000 A WO 0044569 A2 US 6255954 B1 US 6717699 B1 US 6665095 B1	18-08-2000 03-08-2000 03-07-2001 06-04-2004 16-12-2003
GB 2015018	A	05-09-1979	DE 2805891 A1 BR 7900849 A CH 637682 A5 ES 477635 A1 FR 2416926 A1	16-08-1979 04-09-1979 15-08-1983 16-07-1979 07-09-1979

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/003968

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2015018	A		JP 54117535 A	12-09-1979
EP 1306411	A	02-05-2003	DE 60201319 D1	28-10-2004
			EP 1306411 A1	02-05-2003
			JP 2003201412 A	18-07-2003
			US 2003187236 A1	02-10-2003
WO 02094943	A	28-11-2002	DE 10125274 A1	28-11-2002
			BR 0209951 A	06-04-2004
			CA 2448021 A1	28-11-2002
			CZ 20033186 A3	18-02-2004
			WO 02094943 A1	28-11-2002
			EP 1401963 A1	31-03-2004
			JP 2004534121 T	11-11-2004
			MX PA03010677 A	02-03-2004
			TW 583279 B	11-04-2004
			US 2004128775 A1	08-07-2004
EP 0201458	A	12-11-1986	BR 8601964 A	06-01-1987
			CA 1262723 A1	07-11-1989
			DE 3679348 D1	27-06-1991
			EP 0201458 A2	12-11-1986
			JP 62257971 A	10-11-1987
			JP 1991046 C	22-11-1995
			JP 6084479 B	26-10-1994
			JP 61264060 A	21-11-1986
			MX 2363 A ,B	01-11-1993
			US 4737240 A	12-04-1988
US 4668238	A	26-05-1987	CH 666046 A5	30-06-1988
			DE 3535726 A1	24-04-1986
			ES 8703155 A1	16-04-1987
			FR 2572085 A1	25-04-1986
			GB 2165853 A ,B	23-04-1986
			IT 1200134 B	05-01-1989
			JP 61098769 A	17-05-1986
US 4426226	A	17-01-1984	JP 1595721 C	27-12-1990
			JP 2019151 B	27-04-1990
			JP 58005380 A	12-01-1983
			DE 3224660 A1	03-02-1983
			GB 2108518 A ,B	18-05-1983